

B1  
1. A medical device adapted for cyclical application of fluid pressure to a human foot comprising:

an interior elastic fabric sheet for engaging a human foot; and  
an exterior fabric sheet joined with said interior sheet, the interior sheet and the exterior sheet together forming a foot wrap wherein:

said foot wrap encompasses an inflatable bladder within a region between and including the interior sheet and the exterior sheet, the inflatable bladder being disposed to apply pressure to the sole of a human foot; and

the elasticity of said interior sheet functioning to exert a lateral force on said exterior sheet such that said inflatable bladder is maintained substantially wrinkle-free when applied to a human foot.

B2  
3. The medical device as recited in claim 1, wherein said inflatable bladder is formed between said interior sheet and said exterior sheet and comprises a portion of said interior sheet, a portion of said exterior sheet and an inlet for inflation thereof.

B3  
8. A medical device adapted for cyclical application of fluid pressure to a human foot comprising:

an interior elastic fabric sheet for engaging a human foot;

an exterior fabric sheet joined with said interior sheet in a manner forming a foot wrap having an integral bladder formed in a main portion of said foot wrap between said interior sheet and said exterior sheet;

a first tab extending from the main portion of said foot wrap for wrapping around the arch of a human foot and releasably securing said foot wrap to the human foot with the bladder formed in the main portion of said foot wrap positioned so as to act against the sole of the foot when inflated; and

an elongate second tab extending from the main portion of said foot wrap for wrapping around the heel for maintaining the position of the bladder against the sole of the foot.

B4  
13. A medical device adapted for cyclical application of fluid pressure to a human foot comprising:

a foot wrap for engaging a human foot, said foot wrap comprising an integral inflatable bladder and an outer surface comprising a base material compatible with the hooks of a hook and loop-type fastener;